



OAQ CONTROL EQUIPMENT APPLICATION
CE-09: Nitrogen Oxides Reduction Technology
 State Form 52626 (3-06)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM - Office of Air Quality - Permits Branch
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www.IN.gov/idem/air/permits/index.html

NOTES:

- The purpose of CE-09 is to identify all the parameters that describe the nitrogen oxides (NO_x) reduction technology. This is a required form.
- Complete this form once for each NO_x reduction technology (or once for each set of identical NO_x reduction technologies).
- Detailed **instructions** for this form are available online at www.in.gov/idem/air/permits/apps/instructions/ce09instructions.html.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for any one to inspect and photocopy.

PART A: Identification and Description of Control Equipment

Part A identifies the control device and describes its physical properties.

1. Control Equipment ID:			
2. Installation Date:			
3. Device Used:	<input type="checkbox"/> Selective Catalytic Reduction (SCR) <input type="checkbox"/> Selective Non-Catalytic Reduction (SNCR) <input type="checkbox"/> Non-Selective Catalytic Reduction (NSCR) <input type="checkbox"/> Other (specify):		
4. Reducing Agent:	<input type="checkbox"/> Ammonia (specify type): <input type="checkbox"/> Urea <input type="checkbox"/> Other (specify):		
5. Number of Catalyst Layers:			
6. Residence Time (specify units):			
7. Estimated Catalyst Life (months):	months		

PART B: Operational Parameters

Part B provides the operational parameters of the control device and the pollutant laden gas stream. Appropriate units must be included if the standard units are not used.

	A. Units	B. Inlet	C. Outlet	D. Differential
8. Contaminant Concentration	ppmv			
9. Gas Stream Flow Rate	ACFM			
10. Gas Stream Temperature	°F			
11. Gas Stream Pressure	inches of water			to
12. Moisture Content	%			
13. Particle Size Range	micrometers			to
14. Other (specify):				

PART C: Pollutant Concentrations

Part C provides the pollutant concentrations of the pollutant laden gas stream.

	15. Units	16. Inlet	17. Outlet	18. Efficiency (%):	
				Capture	Control
<input type="checkbox"/> a. Nitrogen Oxides (NO_x)					
<input type="checkbox"/> b. Other Pollutant (specify):					

PART D: Monitoring, Record Keeping, & Testing Procedures

Part D identifies any existing or proposed monitoring, record keeping, & testing procedures that may need to be included in the permit.

19. Item(s) Monitored:				
20. Monitoring Frequency:				
21. Item(s) Recorded:				
22. Record Keeping Frequency:				
23. Pollutant(s) Tested:				
24. Test Method(s):				
25. Testing Frequency:				

PART E: Preventive Maintenance Plan

Part E verifies that a complete Preventive Maintenance Plan (PMP) has been prepared for the control device, if applicable. Use this table as a checklist to ensure that the PMP is complete.

26. Do you have a Preventive Maintenance Plan (PMP)?

☐ No PMP is needed. ☐ Yes – the following items are identified on the PMP:

- | | |
|--------------------------|--|
| <input type="checkbox"/> | A. Identification of the individual(s) responsible for inspecting, maintaining and repairing emission control devices. |
| <input type="checkbox"/> | B. Description of the items or conditions that will be inspected. |
| <input type="checkbox"/> | C. Schedule for inspection of items or conditions described above. |
| <input type="checkbox"/> | D. Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement. |

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